

David Schmeidler, Professor

List of Publications:

Articles in Journals

- "Competitive equilibria in markets with a continuum of traders and incomplete preferences", Econometrica, Vol. 37, 578-586 (1969).
- "The nucleolus of a characteristic function game", SIAM Journal of Applied Mathematics, Vol. 17, 1163-1170 (1969).
- "Fatou's Lemma in several dimensions", Proc. Amer. Math. Soc., Vol. 24, 300-306 (1970).
- "A condition for the completeness of partial preference relations", Econometrica, Vol. 39, 403-404 (1971).
- "Cores of exact games, I.", J. Math. Anal. and Appl., Vol. 40, 214-225 (1972).
- "On set correspondences into uniformly convex Banach spaces", Proc. Amer. Math. Soc., Vol. 34, 97-101(1972).
- "A remark on the core of an atomless economy", Econometrica, Vol. 40, 579-580 (1972).
- "Fair net trades" (with K. Vind), Econometrica, Vol. 40, 637-42 (1972).
- "Cores and prices in an exchange economy with an atomless sector" (with J. Dreze, J. Gabszewicz, and K. Vind), Econometrica, Vol. 40, 1091-1108 (1972).
- "Equilibrium points of non-atomic games", Journal of Statistical Physics, Vol. 7, 295-301 (1973).
- "Existence of approximate equilibria and cores" (with W. Hildenbrand and S. Zamir), Econometrica, Vol. 41, 1159-1166 (1973).
- "A difficulty in the concept of fairness" (with E. Pazner), Review of Economic Studies, Vol. 41, 441-443(1974).
- "Competitive analysis under complete ignorance" (with E. Pazner), International Economic Review, Vol. 16, 246-257 (1975).
- "Social contract theory and ordinal distributive equity" (with E. Pazner), Journal of Public Economics, Vol. 5, 261-268 (1976).
- "Collective choice correspondences as admissible outcomes of social bargaining processes", (with E. Kalai and E. Pazner), Econometrica, Vol. 44, 233-240 (1976).
- "Independence of non-feasible alternatives and independence of non-optimal alternatives", (with E. Karni), Journal of Economic Theory, Vol. 12, 488-493 (1976).
- "An admissible set occurring in various bargaining situations" (with E. Kalai), Journal of Economic Theory, Vol. 14, 902-911 (1977).
- "Aggregation procedure for cardinal preferences: A formulation and proof of Samuelson's Impossibility Conjecture" (with E. Kalai), Econometrica, Vol. 45, 1431-1438 (1977).
- "Approximate efficiency of non-Walrasian Nash equilibria" (with A. Postlewaite), Econometrica, Vol. 46, 127-135 (1978).

- "Efficiency in an atomless economy with Fiat money" (with G. Jaynes and M. Okuno), International Economic Review, Vol. 19, 149-156 (1978).
- "Construction of outcome functions guaranteeing existence and Pareto optimality of Nash equilibria" (with L. Hurwicz), Econometrica, Vol. 46, 1447-1474 (1978).
- "Decentralization and income distribution in socialist economies" (with E. Pazner), Economic Inquiry, Vol. 16, 257-264 (1978).
- "Egalitarian equivalent allocations: A new concept of economic equity" (with E. Pazner), Quarterly Journal of Economics, Vol. 92, 671-687 (1978).
- "A bibliographical note on a theorem of Hardy, Littlewood and Polya", Journal of Economic Theory, Vol. 20, 125-128 (1979).
- "Walrasian analysis via strategic outcome functions", Econometrica, Vol. 48, 1585-1593 (1980).
- "Approximate Walrasian equilibria and nearby economies", (with A. Postlewaite), International Economic Review, Vol. 22, 105-111 (1981).
- "A condition guaranteeing that the Nash allocation is Walrasian", Journal of Economic Theory, Vol. 28, 376-8 (1981).
- "On state dependent preferences and subjective probabilities" (with E. Karni and K. Vind), Econometrica, Vol. 51, 1021-1031 (1983).
- "Self-preservation as a foundation of rational behavior under risk" (with E. Karni), Journal of Economic Behavior and Organization, Vol. 7, 71-81 (1986)
- "Integral representation without additivity", Proceedings of the American Mathematical Society, Vol. 97, 255-261 (1986).
- "Implementation in differential information economies" (with A. Postlewaite), Journal of Economic Theory, Vol. 39, 14-32 (1986).
- "Strategic behavior and a notion of ex ante efficiency in a voting model" (with A. Postlewaite), Social Choice and Welfare, Vol. 3, 37-49 (1986).
- "Information dependent games: Can common sense be common knowledge?" (with I. Gilboa), Economics Letters, Vol. 27, 215-221 (1988).
- "Existence of correlated equilibria I" (with S. Hart), Math. of O.R., Vol. 14, 18-25 (1989).
- "Subjective probability and expected utility without additivity", Econometrica, Vol. 57, 571-587 (1989).
- "Maximin expected utility with a non-unique prior" (with I. Gilboa), J. of Math. Economics, Vol. 18, 141-153 (1989).
- "Fixed preferences and changing tastes" (with E. Karni), American Economic Review (Papers and Proceedings), Vol. 80, 262-267 (1990).
- "Atemporal dynamic consistency and expected utility theory" (with E. Karni), Journal of Economic Theory, Vol. 54, 401-408 (1991).
- "A more robust definition of subjective probability" (with M. Machina), Econometrica, Vol. 60, 745-780 (1992).
- "On the uniqueness of subjective probability" (with E. Karni), Economic Theory, Vol. 3, 267-277 (1993).

"Updating ambiguous beliefs" (with I. Gilboa), Journal of Economic Theory, Vol. 59, 33-49 (1993).

"Infinite histories and steady orbits in repeated games" (with I. Gilboa), Games and Economic Behavior, Vol. 6, 370-399 (1994).

"A Neo²Bayesian foundation of the maxmin value for two-person zero-sum games" (with S. Hart and S. Modica), International Journal of Game Theory, Vol. 23, 347-358 (1994).

"Additive representations of non-additive measures and the Choquet integral" (with I. Gilboa), Annals of Operations Research, Vol. 51, 43-65 (1994).

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"Canonical representations of set-functions" (with I. Gilboa), Mathematics of Operations Research, Vol. 20, 197-212 (1995).

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"Bayes without Bernoulli: Conditions for probabilistically sophisticated choice" (with M. Machina), Journal of Economic Theory, Vol. 67, 106-28 (1995).

"Case-based optimization" (with I. Gilboa), Games and Economic Behavior, Vol. 15, 1-26 (1996).

"Act-similarity in case-based decision theory" (with I. Gilboa), Economic Theory, Vol. 9, 47-61 (1997).

"Social welfare under uncertainty" (with E. Ben-Porath and I. Gilboa), Journal of Economic Theory, Vol. 75, 194-204 (1997).

"Cumulative utility consumer theory" (previous title: Case-based consumer theory), (with I. Gilboa), International Economic Review, Vol. 38, 737-61 (1997).

"Case-based knowledge and induction" (with I. Gilboa), IEEE SMC Transactions Part A, Vol. 30, 85-95 (2000).

"An experimental study of updating ambiguous beliefs" (with M. Cohen, I. Gilboa and J.Y. Jaffray), Risk, Decision and Policy, Vol. 5, 123 – 33, (2000). Also appeared

in the Proceedings of ISIPTA99.

"A cognitive model of individual well-being" (with I. Gilboa), Social Choice and Welfare, Vol. 18, 269 – 88 (2001).

"Reaction to price changes and aspiration level adjustments" (with I. Gilboa), Review of Economic Design, Vol. 6, 215 – 23 (2001).

"Cognitive foundations of probability" (with I. Gilboa), Mathematics of Operations Research, Vol. 27, 68 – 81 (2002).

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“One observation behind two-envelope puzzles” (with D. Samet and I. Samet), American Mathematical Monthly, Vol. 111, 347 – 51 (2004).

"Utilitarian Aggregation of Beliefs and Tastes" (with I. Gilboa and D. Samet), Journal of Political Economy, Vol. 112, 932-8 (2004).

“Subjective distributions” (with I. Gilboa), Theory and Decision, Vol 56, 345-357 (2004).

“Probabilities as Similarity-Weighted Frequencies”, (with A. Billot, I. Gilboa and D. Samet), Econometrica, Vol. 73, 1125-36 (2005).

"Fact Free Learning", (with E. Aragonès, I. Gilboa and A. Postlewaite), American Economic Review, Vol 95, 1355-68, (2005)..

To appear

"Empirical Similarity", (with Itzhak Gilboa and offer Lieberman), Review of Economics and Statistics .

Books

A Theory of Case-based Decisions (with I. Gilboa), Cambridge University Press, 2001, 214 pages.

Social Goals and Social Organization: Essays in Memory of Elisha A. Pazner (edited jointly with L. Hurwicz and H. Sonnenschein), Cambridge University Press, NY, 1985.

Chapters in Books and in Published Conference Proceedings

"Convexity and compactness in countably additive correspondence", in H.W. Kuhn and G.P. Szego (eds.), Differential Games and Related Topics (pp. 235-242), North Holland, 1971.

"The Radon Nikodym derivatives of a correspondence" (with G. Debreu), in L.M. Le Cam, J. Neyman and E.L. Scott (eds.) Proceedings of the Sixth Berkeley Symposium on Mathematical Statistics and Probability (pp. 41-56), 1972.

"Two proofs of the Gibbard-Satterthwaite theorem on the possibility of a strategy-proof social choice function" (with H. Sonnenschein), in H. Gottinger and W. Leinfellner (eds.), Decision Theory and Social Ethics: Issues in Social Choice (pp. 227-234), Reidel Publishing Company, Dordrecht, 1978.

"Notes on optimality and feasibility of informationally decentralized mechanisms" (with A. Postlewaite), in O. Moeschlin and D. Pallaschke (eds.), Game Theory and Related Topics (pp. 365-382), North-Holland, Amsterdam, 1979.

"Economic analysis via strategic outcome functions: A survey of recent results", in Deistler, Furst, Schwodiauer (eds.), Games, Economic Dynamics and Time Series Analysis (pp. 59-66), Physica-Verlag, Wurzburg-Wien, 1981.

"Risk aversion and solutions to Nash's bargaining problem" (with R. Kihlstrom and A. Roth), in O. Moeschlin and D. Pallaschke (eds.), Game Theory and Mathematical Economics (pp. 65-71), North-Holland, Amsterdam, 1981.

"An allocation rule using linear excess demand functions" (with M. Okuno), in Hildenbrand and Mas-Collel (eds.), Contributions to Mathematical Economics. In Honor of Gerard Debreu (pp. 361-385), North Holland, 1986.

"Differential information and strategic behavior in economic environments: A general equilibrium approach" (with A. Postlewaite), in T. Groves, R. Radner and S. Reiter (eds.), Information Incentives and Economic Mechanisms. Essays in Honor of Leonid Hurwicz (1987) (pp. 330-348), University of Minnesota Press, 1987.

"Israel and the PLO: A game with incomplete information (1987)" (with S. Mishal and I. Sened), in T. Ichiishi, A. Neyman and Y. Tauman (eds.), Theory of Games and Applications (pp. 336-357), Academic Press, 1990.

"Utility theory with uncertainty" (with E. Karni), in W. Hildenbrand and H. Sonnenschein (eds.), Handbook of Mathematical Economics, Vol. 4 (pp. 1763-1831), North Holland, 1991.

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"Updating ambiguous beliefs" (with I. Gilboa), in I. Gilboa (ed.) Uncertainty in Economic Theory: Essays in honor of David Schmeidler's 65th birthday, (Chapter 8, pp 155-170) Routledge, 2004. Reprint of the article in Journal of Economic Theory, Vol. 59, 33-49 (1993).

"Bayes without Bernoulli: Conditions for probabilistically sophisticated choice" (with M. Machina), in J. Götschl and W. Leinfellner (eds.) On the Dynamics of Modern, Complex, Social and Democratic Systems, Kluwer Academic Publishers, 2000? Reprint of the article in Journal of Economic Theory, Vol. 67, 106-128 (1995).

Other Publications and Referenced Discussion Papers

"Fair allocation" (with M. Yaari), Oral presentation C.O.R.E. (1969), Stanford, 1970.

"Non Walrasian Nash equilibria in Arrow-Debreu economies" (with E. Pazner), 1976.

"An Expected Utility Theory for State-Dependent Preferences" (with E. Karni), Working Paper 48-80, The Foerder Institute for Economic Research, Tel Aviv University, 1981. An altered version appeared as "On state dependent preferences and subjective probabilities" (with E. Karni and K. Vind), Econometrica, (1983).

"Subjective probability without additivity (provisional title)", Presented at the Oberwolfach Meeting in Mathematical Economics, January 1982. Working Paper, The Foerder Institute for Economic Research, Tel Aviv University, 1982

(included partly in Working Paper 36 and partly in 43). A later version: "Subjective probability and expected utility without additivity", Preprint Series, Institute of Mathematics and its Applications, University of Minnesota, 1984; also, Working Paper, Center for Research in Economics and the Social Sciences, University of Pennsylvania (included in "Subjective probability and expected utility without additivity", Econometrica, 1989). "Non-additive probability and convex games", Working Paper, Center for Analytic Research in Economics and the Social Sciences, University of Pennsylvania, 1984 (included partly in "Integral representation without additivity", Proceedings of the American Mathematical Society, 1986, and partly in "Subjective probability and expected utility without additivity", Econometrica, 1989).

"Expected Utility and Mathematical Expectation" (with P. Wakker), in J. Eatwell, M. Milgate, P. Newman (eds.), The New Palgrave: A Dictionary of Economics (pp. 229-232), Macmillan Press, 1987.

"Strategic behavior in differential information economies" (with A. Postlewaite), in M.J.Beckerman, K.-W. Gaede, K. Reiter, H. Schneeweiss (eds.), Methods of Operations Research, Vol. 54 (pp. 259-262), Symposium of Operations Research, Verlag Anton Haim, 1985. (An extended abstract of a paper (with A. Postlewaite) titled "Differential information and strategic behavior in economic environments: A general equilibrium approach", in T. Groves, R. Radner and S. Reiter (eds.) Information Incentives and Economic Mechanisms: Essays in Honor of Leonid Hurwicz (pp. 338-48), University of Minnesota Press, 1987.

"Information-dependent games: Can common sense be common knowledge?" (with I. Gilboa), in Moshe Y. Vardi (ed.), Theoretical Aspects of Reasoning About Knowledge (pp. 397-401), Proceedings of the Second Conference, Morgan Kaufman Publishers, Los Altos, California, 1988. (An extended abstract of the paper with the same title in Economic Letters, Vol. 27, 215-221 (1988).)

"Case-based decisions" (with I. Gilboa), in H. Prade (ed.), Proceedings of the 13th European Conference on Artificial Intelligence (pp. 706-710), Brighton, UK, August 1998, ECAI98 John Wiley and Sons, 1998.

Discussion Papers

"An individually rational procedure for planning the provision of public goods", Paper presented to the NSD-SSRC conference on Individual Rationality: Preference Revelation and Computational Costs in Models of Economic Equilibrium, University of Massachusetts, Amherst, July 1973, Working Paper, The Foerder Institute for Economic Research, Tel Aviv University.

"A remark on microeconomic models of an economy and a game theoretical interpretation of Walras Equilibrium", Mimeo, UMN Minneapolis, 1976. Presented at the NBER Seminar, Berkeley, February 1978. Also appeared as "A remark on game theoretic interpretation of Walras Equilibria", Working Paper, The Foerder Institute for Economic Research, Tel Aviv University, 1976. Included in "Walrasian analysis via strategic outcome functions", Econometrica, (1980).

"Welfare evaluation of record contingent insurance policies: An example" (with I. Lipnowski), 1982.

"Case-based knowledge representation" (with I. Gilboa), (1993).

"Knowledge of justice", (with E. Karni), (1994)

"Case-based knowledge and planning" (with I. Gilboa), (1995).

"An overview of case-based decision theory" (with I. Gilboa), (1995).

"Cognitive foundations of inductive inference and probability: An axiomatic approach" (with I. Gilboa), (2000).

"Rhetoric and analogies" (with E. Aragones, I. Gilboa and A. Postlewaite), (2001).

"Accuracy vs. Simplicity: A Complex Trade-Off" (with E. Aragones, I. Gilboa and A. Postlewaite), (2002).

"Probabilities: Frequencies Viewed in Perspective", (with Antoine Billot, Itzhak Gilboa, and Dov Samet), (2003).

"The Rationality of Belief", (with Itzhak Gilboa and Andrew Postlewaite), (2004).

"Axiomatization of an Exponential Similarity Function" (with Antoine Billot and Itzhak Gilboa), (2004).